



Seventh Framework Programme

NMP Nanosciences, Nanotechnologies, Materials and new Production Technologies.

Large-scale integrating project – MULTILAYER

Workshop on PRINTING TECHNOLOGIES

Dresden, Germany, 2nd November 2009

Organized by

- Commissariat à l'Energie Atomique (Liten) – Grenoble/France
- Fraunhofer-Institut für Keramische Technologien und Systeme – Dresden/Germany

Topics

Recent developments in printing processes such as inkjet printing and screen printing: application to microelectronic and ceramic. The workshop will include oral presentations. There will be discussion time after each lecture and a concluding round table. All contributions will be presented on internet at <http://multilayer.4m-association.org/>.

Participation

Participation is open to all scientists interested in ceramics and printing technologies. There is no registration fee charged (deadline for registration per e-mail: 19th October 2009)

Language

The language of the workshop will be English.

Agenda Workshop on printing technologies (MULTILAYER project)

November 2nd 2009 | FhG - IKTS | Winterbergstrasse 28 | 01277 Dresden | Germany

November 2nd 2009

13.30 – 13.50	Registration	
13.50 – 14.00	Introduction and Welcome from Organisers	<i>L. Federzoni/CEA</i>
14.00 – 14.30	Lecture “Materials and Deposition Technologies for Functional Ceramic Layers at Fraunhofer IKTS”	<i>U. Partsch/IKTS</i>
14.30 – 15.20	Lecture “An overview of the potential of printing processes for microelectronic applications”	<i>A. Blayo/Pagora</i>
15.20 – 15.50	Lecture “InkJet Technologies for Digital Fabrication- Introduction, Practical aspects and Examples”	<i>M. Borella/ALTATECH</i>
15.50 – 16.20	Lecture “Ink-Jet printing for industrial applications”	<i>G. Hagen/KMS</i>
16.20 – 16.40	Coffee break	
16.40 – 17.30	Lecture “Recent Developments in Screen Printing to Enhance Fine Line Resolution”	<i>D. Schwanke/MSE</i>
17.30 – 18.10	Lecture “Rheology in ceramic screen printing”	<i>E. Carlström/IVF</i>
18.10 – 18.50	Lecture “Nanoparticles fabrication by wet chemistry and their influence on the conductivity and viscosity of some non-polar liquids”	<i>Q. Zhang/CRAN</i>
18.50 – 19.10	Round Table and conclusion	
19.10	End of the workshop	
20.15	Dinner (shall be supported by each partner)	